

# ***APPENDIX Q***

## **SUSTAINED YIELD PLAN**

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## **Appendix Q**

As noted in the introduction to this Final EIS/EIR (Section 1.1.1), California's Forest Practice Rules, Section 913.11, require PALCO to achieve the goal of maximum sustained production of high-quality timber products while addressing values relating to recreation, watershed, wildlife and forage, fisheries, regional economic vitality, employment, and aesthetic enjoyment (Public Resources Code Section 4513). This requirement can be satisfied through submittal of a sustained yield plan (SYP) that the California Department of Forestry and Fire Protection (CDF) subsequently approves. PALCO's proposed SYP was circulated for comment in July 1998 as part of its proposed (draft) Habitat Conservation Plan (HCP)/SYP (PALCO, 1998). The document is available for viewing at the following website: [HTTP://ceres.ca.gov](http://ceres.ca.gov).

This Final EIS/EIR constitutes the final HCP/SYP. To reduce the volume of paper associated with finalizing the six-volume proposed HCP/SYP, it is incorporated here by reference. To ensure that all requirements of the SYP are met, and that key components can be located easily, the following crosswalk is provided. It indicates the primary location where information may be found; it is not all-inclusive, and relevant information may be found in other sections. Except as noted, volume and part references refer to PALCO's July 1998 draft SYP/HCP.

**Sustained Yield Plan Contents (FPR 1091.4(a), 1091.4.5, 1091.5, 1091.6, 1091.8)**

**Name and address of timber and timberland owner**

Scotia Pacific LLC and Pacific Lumber Company, P.O. Box 37, Scotia, CA 95565

**Ownership description and location, including legal descriptions and maps**

The ownership description appears in Volume I, Part C1, Plan Area. Assessor's parcel numbers are provided in Volume II, Part B, PALCO Parcels. Volume V, Map 2, shows the Plan Area and North Coast Ownership.

**Management objectives for resources addressed in the SYP, including timber**

Management objectives are discussed briefly in Volume I, Part C3, Covered Species and in Part C4, Covered Activities. More detail regarding timber management objectives is provided in Volume I, Part E, LTSY Projections and Volume III, Sustained Timber Production Assessment, while objectives for listed and other sensitive species appear in Volume IV, Habitat Conservation Plans (see this Final EIS/EIR, particularly Appendix P, for the final HCP).

**General narrative description of the forest types, fish and wildlife habitats, and watercourses and lakes**

Brief narrative descriptions are found in Volume I, Part D, Baseline Conditions. More detailed descriptions appear in the Final EIS/EIR, Section 3, Affected Environment and Environmental Effects.

**Descriptions of Management Units and rationale for Management Unit selection**

Volume I, Part C1, Plan Area, describes the management units. The rationale for management units is summarized in Volume I, Part E1, Model and Assumptions, and is described in further detail in Volume III, Part B, Methods and Assumptions for Calculating the LTSY Projections.

Identification and mapping of sensitive watersheds and description of the measures taken to protect resources within those watersheds

None of the watersheds on PALCO lands or in any of the Watershed Assessment Areas (WAAs) is designated as a “sensitive” watershed, as defined in the FPRs. Volume I, Part 1b3, Sensitive Watersheds, provides information about three rivers that are “water quality limited,” as defined in Section 303(d) of the Clean Water Act, and about five watersheds that CDF believes have significant adverse cumulative effects from sediment.

Sustained timber production assessment

Volume III is the Sustained Timber Production Assessment. Volume I, Part C, Scope of the Plan, and Part E, LTSY Projections, summarize the assessment.

Fish and wildlife assessment

Volume II, Parts K to M, constitute the Fish and Wildlife Assessment. Volume IV is the draft Habitat Conservation Plan. Volume I, Part F, Potential Effects and Alternatives, and Part G, SYP/HCP Measures, summarize the draft assessment. This Final EIS/EIR constitutes the final HCP, and final mitigation and monitoring measures appear in Appendix P.

Watershed assessment and planning

Volume II, Parts C to J and N to O, are the Watershed Assessment. Volume I, Part F, Potential Effects and Alternatives, and Part G, SYP/HCP Measures, summarize the draft assessment. This Final EIS/EIR constitutes the final HCP, and final mitigation and monitoring measures appear in Appendix P.

Compliance and effectiveness evaluation

The draft monitoring program is covered in Volume I, Part G9, SYP-Related Measures, and Volume II, Sections F (Stream Monitoring Report) and K (Multi-Species Monitoring). Some details of the final monitoring plan appear in this Final EIS/EIR, Appendix P. The final monitoring plan will be completed before CDF issues the Final Determination on the SYP.

<b>SYP CROSSWALK</b>	
Name and address of owner	Scotia Pacific LLC and Pacific Lumber Company, P.O. Box 37, Scotia, CA 95565
Ownership description and location	Vol. I, C; Vol. V, Map 2
Management objectives	Vol. I, C & E
General narrative description of forest types, fish and wildlife habitats, and watercourses	Vol. I, D
Description of management units	Vol. I, C
Identification of sensitive watersheds	Vol. I, C, p. 5
Sustained timber production assessment	Vol. I, C & E; Vol. III
Fish and wildlife assessment	Vol. I; Vol. II; Vol. IV
Watershed assessment and planning	Vol. I; Vol. II, D-J, N-O
Compliance and effectiveness evaluation	Partially: Vol. I p. 80-81; Vol. II, K & F; to be completed at final Determination.

## Changes to LTSY Due to Additional Mitigation

The following tables are based on implementation of full mitigation, including AB 1986 and the proposed additional mitigation described in Appendix P. It assumes 1,125 acres of Owl Creek grove (containing 324 mbf) and 250 acres of core habitat in the Grizzly Creek grove (containing 72 mbf) would be purchased for \$20 million and that no other money would be available to purchase old-growth forest. It also assumes that 16,783 acres of Class III streams would be included in no-harvest buffers, excluding 864 acres of Class III streams in MMCAs and extensions.

<b>Seral Types (acres per decade)</b>				
Period	Late Seral	Mid-Success	Young	Open
1	40,760	84,821	55,246	18,292
2	29,535	87,939	56,171	26,922
3	27,720	102,523	54,660	15,627
4	33,575	111,580	31,899	23,362
5	41,645	95,142	47,364	16,266
6	46,576	98,289	41,782	13,063
7	46,824	104,476	31,116	17,363
8	46,886	99,885	40,554	12,393
9	53,640	93,400	25,606	22,658
10	45,028	97,148	34,402	21,426
11	46,146	94,013	36,739	21,007
12	44,448	84,702	47,126	21,680

  

<b>Harvest Regime (acres)</b>		<b>Old Growth Redwood Harvest (mbf)</b>	
Management Regime	Acres	Period	Harvest/Year
No Harvest	56,835	1	256,742
Restock	451	2	85,707
Late Seral (240 ft <sup>2</sup> )	28,710	3	23,016
Late Seral (300 ft <sup>2</sup> )	2,076	4	6,724
Selection	2,958	5	10,068
Even-age Intensive	44,568	6	3,136
Even-age Extensive	53,981	7	5,896
Shelterwood/Seed Tree	7,671	8	5,624
Current THP	14,453	9	11,146
		10	9,801
		11	5,152
		12	5,554

  

<b>Inventory, Growth, and Harvest Volume Estimates (mbfn/Decade)</b>			
Period	Inventory	Growth	Harvest
1	5,002,633	1,857,169	1,761,516
2	5,098,915	2,052,105	1,497,288
3	5,656,200	2,125,219	1,310,128
4	6,469,802	2,165,695	1,179,115
5	7,456,760	2,208,536	1,061,203
6	8,606,270	2,287,239	1,167,324
7	9,724,345	2,253,930	1,284,056
8	10,695,670	2,196,696	1,412,461
9	11,464,810	2,155,908	1,553,708
10	12,075,380	2,077,298	1,709,078
11	12,451,750	1,957,337	1,879,968
12	12,516,140	1,927,183	1,691,988

LTSY = 196,500 mbfn/Year